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John Larmouth, Olivier Dubuisson, Paul Thorpe

October 2001 **Proceedings of the 2nd ACM international symposium on Mobile ad hoc networking & computing**

Full text available: 📄 pdf(111.10 KB)   Additional Information: full citation, abstract, references, index terms

This paper describes the work undertaken, and evaluates the results produced, in a project that applied ASN.1 and its newly developed Encoding Control Notation to the Bluetooth Service Discovery Protocol. The use of ASN.1 + ECN was shown to be fully capable of specifying the bits-on-the-line required by the approved Bluetooth specification, and identified some areas where the current Bluetooth specification lacks precision --- noticeably in areas concerned with "extensibility".

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1 ASN.1 protocol specification for use with arbitrary encoding schemes
Duke Tantiprasut, John Neil, Craig Farrell
August 1997 **IEEE/ACM Transactions on Networking (TON)**, Volume 5 Issue 4

Full text available: 🗎 pdf(159.77 KB)   Additional Information: full citation, references, citings, index terms

2 Specification of an object to object protocol in Abstract Syntax Notation One (ASN.1)
Jozsef A. Toth
June 1990 **Proceedings of the third international conference on Industrial and engineering applications of artificial intelligence and expert systems - Volume 2**

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Object-oriented languages and environments have opened up a new way to develop software. Unfortunately, object-to-object transmittal of control and data has been highly indigenous to its particular domain; whether it be a compiler, interpreter or database. The DARPA Initiative for Concurrent Engineering (DICE) has specified a DICE Communications Channel (DCC) in which a heterogeneous environment, including object-oriented databases and subsystems, has driven the requirement for an integrati ...

3 Papers: Independent active program representation using ASN. 1
Brad Williamson, Craig Farrell
April 1999 **ACM SIGCOMM Computer Communication Review**, Volume 29 Issue 2

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The future success of computer communications will largely depend on how effectively applications achieve their desired quality of service (QoS). Active networks move closer to the goal of application specified QoS by allowing user-specified network related computation to be *injected* into the network elements. Although research into active networks is in its infancy, one area that has not yet received much attention is the representation of active programs. The Active Network Encapsulatio ...

4 Defining faster transfer syntaxes for the OSI presentation protocol
C. Huitema, A. Doghri
October 1989 **ACM SIGCOMM Computer Communication Review**, Volume 19 Issue 5

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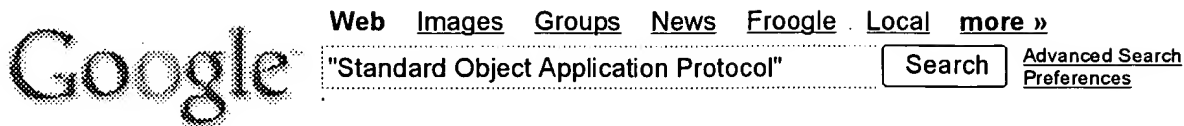(standard object application protocol<in>metadata)   »

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